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25X1B

AMMUNITION [REDACTED] STORAGE INSTALLATIONS
IN THE SOVIET BLOC
HAVING MAXIMUM SECURITY AND BLAST PROTECTION
(Based on [REDACTED] Chess Photography)

25X1D

Declass Review NIMA/DoD

HTA-R3-57
16 September 1957

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TABLE OF CONTENTS

- I. Introduction
- II. Methodology
- III. Criteria for Comparison of Storage Installations
- IV. Summary and Conclusions

LIST OF TABULAR AND GRAPHIC ITEMS

Tabulation sheets on 87 installations

Individual photographs of 87 installations

Figure 1. Chart comparing security measures at 87 installations

Figure 2. Map of USSR showing locations of 39 installations

Figure 3. Map of Satellites showing locations of 48 installations

(APPENDIX)

Tabulation sheets on 72 additional installations

Individual photographs of 72 additional installations

Figure 4. Map of USSR showing locations of 26 additional installations

Figure 5. Map of Satellites showing locations of 46 additional installations

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I. INTRODUCTION

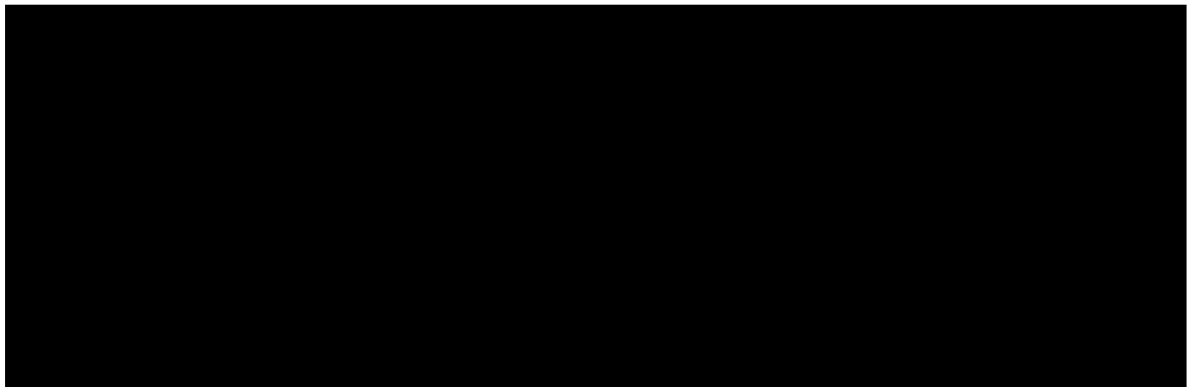
This report describes and locates Soviet and Satellite ammunition and unidentified storage installations employing maximum security measures and having some form of blast protection. Evidence of multiple security fencing or a combination of single fencing and guard towers and guard posts are considered maximum security measures. A comprehensive look at all such installations is provided rather than a detailed description of each one. An attempt has been made to identify possible patterns in Soviet military storage construction.

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The material comprising this report is based on CHESS photography obtained on nine missions flown over the USSR and the Satellites during

Since this coverage is limited to a small portion of the Soviet Bloc a completely definitive study of Soviet storage practices is not possible.

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IV. SUMMARY AND CONCLUSIONS

A total of 87 storage installations with blast protected buildings and maximum security protection were observed. Data tabulation sheets and photographs of these installations are included with this report. Figures 2 and 3 are maps showing their geographic locations. The chart, Figure 1, compares security measures employed at these installations.

Functionally, 53 are ammunition storage installations, 25 are unidentified, and nine are probable special weapons storage installations associated with major airfields in the USSR.

Age-wise, 25 installations were constructed before or during World War II, postwar construction can be confirmed for 50, leaving 12 for which date of construction cannot be determined. Data on time of construction, by country, is tabulated below:

	<u>Date of construction</u>	<u>USSR</u>	<u>Rumania</u>	<u>Poland</u>	<u>Hungary</u>		<u>Czech</u>
25X6	Before or during WWII	12	1	6	3		0
	Since WWII	26	4	6	5		1
	Unknown	<u>1</u>	<u>1</u>	<u>4</u>	<u>1</u>		<u>5</u>
	TOTAL	39	6	16	9		6

Comparison of the 87 installations fails to provide any indication of an over-all construction or layout pattern. On the contrary, local topography and numerous other contributing factors seem to have determined construction methods rather than any planned procedure. However, there are three significant exceptions to this over-all generalization.

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One exception concerns the nine [REDACTED] loading and storage installations associated with major airfields. Four of these installations, labeled the "Stryy-type", are located adjacent to Stryy, Karankut, Sol'tsy, and Minsk/Machulishche airfields. The layout of these four installations is practically identical. The other five, labeled the "Orsha-type", are located several miles each from the airfields at Orsha, Bobruysk, Siauliai, Baranovichi, and Bykhov. These five are practically identical in layout, but distinctly different from the "Stryy-type".

A second exception concerns two especially significant installations

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[REDACTED] . Although one of these installations is substantially cloud covered, and both are under construction, they appear to be strikingly similar. These installations and reports covering them in detail are: 9.5 nm WSW of Mozhaysk, USSR, CIA/HTA-R1-57; and 8 nm W of Valday, USSR, CIA/HTA-J R1-57.

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A third possible exception involves three [REDACTED] located within a 17 nm radius of Brno, Czechoslovakia, as follows: 3 NM NE of Blansko; 5 nm NNW of Vyskov; and 3.5 nm S of Ivancice. In addition to having the general similarities of Group A, all three have the following characteristics in common:

Three to five large warehouse buildings blast-protected by woods

-7-

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Two to four small buildings with elaborate revetments

A single paved road terminating in a small fork

Over-all size and shape similar

Location in wooded areas around Brno

Enclosed by a single security fence.

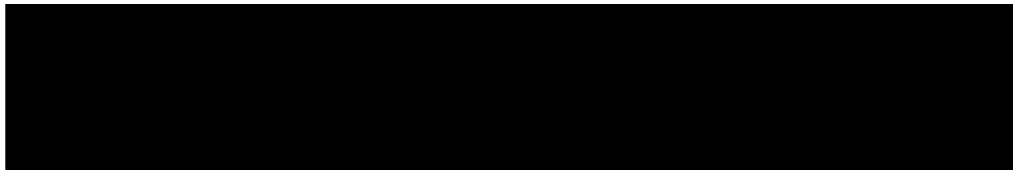
Although no over-all pattern in construction of installations having maximum security and blast protection has been identified, there is some evidence of certain trends. The post-World War II installations are generally much smaller than the old storage sites and have fewer buildings. However, many of the old ones have been vastly improved and reconstructed by the Soviets since World War II. This is true in the Satellites as well as in the USSR. It also seems to be a general practice to utilize natural features for blast-protection wherever possible rather than to construct elaborate blast walls or revetments.

Information on an additional 72 installations (26 in the USSR and 46 in the Satellites) make up an appendix to this report. While these installations met only certain portions of the requirement their significance was considered sufficient to justify inclusion of the completed research. Data tabulation sheets and photographs of these installations are included, and Figures 4 and 5 are maps showing their geographic distribution.

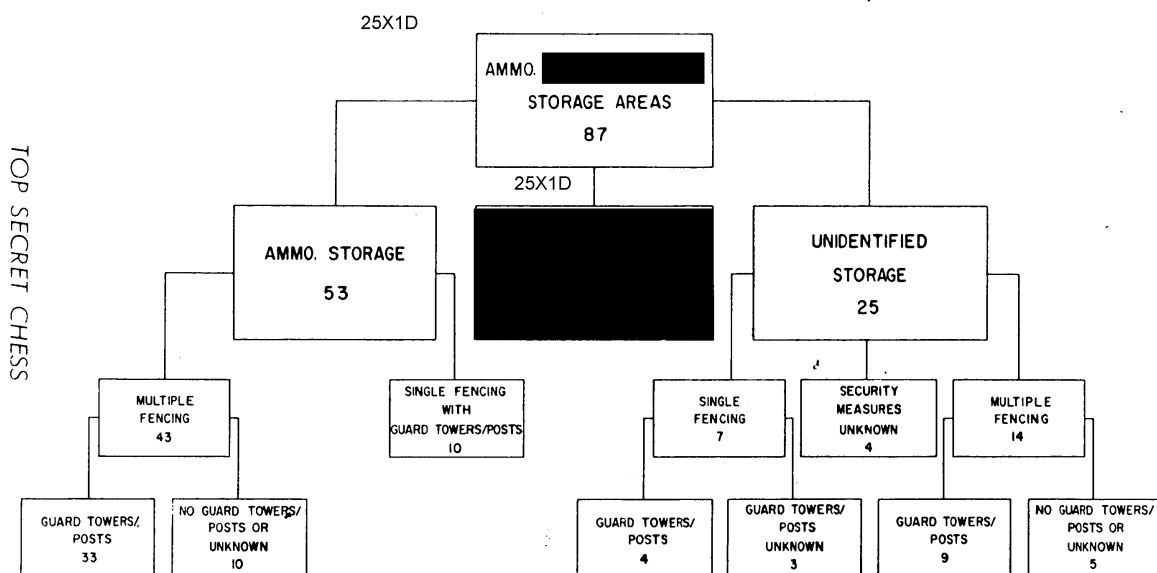
REQUIREMENT: Prepared in answer to HTA/SI/R80/56 and CI/HTA
/R2/56 requesting an analysis of available photography to locate
and describe all maximum secured ammunition and unidentified
storage areas having revetted or blast protected buildings in the
USSR and the Satellites.

PHOTOGRAPHY USED:

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MILITARY STORAGE AREAS
COMPARISON OF SECURITY MEASURES



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AMMUNITION [REDACTED] STORAGE INSTALLATIONS
IN THE SOVIET BLOC

HAVING MAXIMUM SECURITY AND BLAST PROTECTION

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(BASED ON [REDACTED] PHOTOGRAPHY)

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16 SEPTEMBER 1957

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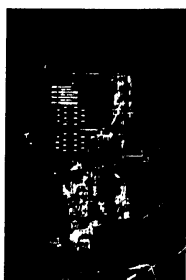
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GROUP M (CONT)



7NM NE STOLPTS, USSR
53-31N 26-55E



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8NM W VALDAY, USSR
57-58N 33-03E



9.5NM WSW MOZHAYSK, USSR
55-26N 35-46E

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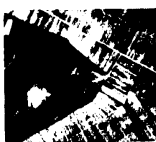
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APPENDIX (CONT)

TOP SECRET-CHLSS

APPENDIX (CONT)



1.5NM NNW VANATORI, RUM
44-15N 22-55E



4NM NW VASLUI, RUM
46-40N 27-35E



1.5NM S LESNAYA, USSR
52-58N 25-40E



LIEPAJA, USSR
56-34N 21-02E



DALTIYSK NOYTI, A/F, USSR
54-10N 19-52E



S BEREZAYKA, USSR
57-58N 33-54E



1.5NM W MORINO, USSR
57-54N 30-19E



NARO-FOMINSK, USSR
55-22N 36-42E



1NM SW BOBE, USSR
54-19N 29-11E



5NM S DOBUYSK A/F, USSR
53-04N 29-12E



1NM S ORSHA SW A/F,
USSR, 54-24N 30-17E



OSTROV GORODELOVA A/F,
USSR, 57-14N 28-25E



BOLSHAYA IZHORA, USSR
59-57N 29-32E



BYKHOV A/F, USSR
53-30N 30-11E



1NM NW PERKARVI, USSR
60-29N 29-15E



2NM E FORTEDOV, USSR
57-40N 29-57E



1.5NM E GATOVO, USSR
53-47N 27-41E



4NM NE LESNAYA, USSR
53-02N 25-50E



1.75NM SW PERKOV, USSR
67-48N 28-18E



PRIMOR A/F, USSR
59-41N 30-25E

TOP SECRET-CHLSS

APPENDIX (CONT)

TOP SECRET - CHESS



1. 5NM SE PADVILISKES,
USSR, 55-46N 23-37E



PIGA WEST A/F, USSR
56-55N 23-57E



SARISW A/F, USSR
45-06N 33-34E



2NM SE SANCACHALY,
USSR, 46-12N 49-31E



2NM SE SICHUCHICH, USSR
53-55N 24-47E



1NM SE SHUYA, USSR
56-50N 41-24E



1. 5NM SE SHADLAI A/F,
USSR, 55-54N 23-27E



SOLITSY A/F, USSR
58-08N 36-25E

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KEY TO TABULATION SHEETS

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Ctry - Country

CZE - Czechoslovakia
 HUNG - Hungary
 POL - Poland
 RUM - Rumania
 USSR - USSR

LOCAL -

NM - Nautical Miles
 N, S, E, W - North, South, East, or West of the town stated.
 A/F or AF - Airfield

COORD - Coordinates, latitude North and longitude East in all cases

GROUP -

A, B, C, D - Groups described in the text
 S - Special Weapons Areas
 M - Miscellaneous types not falling into the other groups
 (Delete GROUP in Appendix listing)

FENCING - Security Fencing

S - Single
 M - Multiple
 N - None
 U - Unknown

TWRS/POSTS - Guard Towers/Guard Posts

T - Guard Towers
 P - Guard Posts
 N - None
 U - Unknown

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BUILD - Number of Storage Buildings

43 - Approximate number of storage buildings
 U - Unknown

AFFIL - Affiliated With

A - Airfield or Air Forces
 G - Ground Forces
 S - Sea Forces
 T - Training area adjacent
 P - Plant or Industry
 U - Unknown

AGE -

O - Old (Constructed before or during World War II)
 N - New (Constructed after World War II)
 U - Unknown

WAC - World Aeronautical Chart Number

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AMMUNITION STORAGE AREAS

CTRY	LOCALE	COORD	GROUP	FENCING	TWRS/POSTS	BLAST PROT	SERVICE	BLDS	AFFIL	AGE	WAC	MISS/CAM/EXP
Czech	1.5 NM N Babice	5002/1443	C	S	T	W	H	U	U	N	431	
	4 NM SE Chotobor	4941/1546	D	S	P	W	HR	30	U	U	731	
Hung	1.5 NM W Etyek	4724/1843	B	M	T	RG	HR	16	G	O	252	
	Fokto	4630/1853	B	M	P	R	H	10	U	N	252	
	SE Kalocsa	4630/1900	B	M	N	R	H	12	HT	U	252	
	5 NM S Miskolc	4802/2046	M	M	*P	R	H	25	G	N	232	
	5.5 NM SW Monor	4716/1923	C	M	P	W	HR	30	U	O	251	
	5 NM NW Nyiragyhaza	4802/2139	D	*M	*T*P	WH	HR	24	U	N	232	
	Pusztavacs	4710/1929	D	FM	T	W	H	30	G	N	251	
	4.5 NM SW Vasspreml	4701/1754	A	M	N	W	HR	5	P	O	252	
Pol	12 NM N Bialystok	5320/2314	M	*M	U	R	H	14	P	N	168	
	2 NM W Brlag	5052/1725	B	M	*T	G	H	U	A	O	232	
	Bydgoszcz A/F	5305/1759	A	M	T	W*G	HR	U	A	N	169	
	2.5 NM WNW Bydgoszcz A/F	5307/1755	B	M	U	R	H	11	T	N	169	
	1.2 NM SW Gutsdorf	5317/1548	M	M	T	WG	HR	U	U	O	169	
	1 NM W Hammerstein	5341/1655	D	M	T	W	HR	34	HT	U	169	
	0.8 NM SW Linde	5335/1631	M	M	N	W	H	10	T	U	169	
	1 NM ESE Nassadel	5101/1747	D	M	N	W*G	HR	76	P	O	232	
	Regoy	5142/1955	D	M	T	W	HR	50	G	O	232	
	2.4 NM S Swinemunde	5353/1415	D	S	T	WH	WR	17	S	O	169	
	1 NM N Torun	5303/1836	D	M	T	W	HR	90	A	O	169	
Rum	NW Constanta	4413/2837	B	M	P	R	H	7	U	O	250	
	Ianca A/F	4508/2726	B	S	T	R	H	10	A	N	250	
	NW Kogalniceanu A/F	4423/2827	B	M	TP	R	H	4	A	N	250	
	1 NM W Ovidiu	4415/2832	B	S	TP	R	H	6	U	N	250	
USSR	2 NM S Baranovichi A/F	5304/2603	C	*M	T	W	H	19	A	N	168	
	Baranovichi A/F	5305/2601	M	*M	HT	H	H	15	A	N	168	
	Bobr	5419/2915	M	M	N	W	HR	24	U	O	168	
	Bobruysk A/F	5305/2914	M	*M	T	W	H	28	HA	N	168	
	1 NM NW Bronna Gora	5237/2504	M	M	T	W	HR	38	U	O	168	
	1 NM WNW Gryadek	4029/4939	B	S	P	R	H	6	U	O	153	
	2 NM N Jolvi	5924/2726	A	M	HT	W	HR	3	U	O	153	
	2 NM S Kusehokino	5742/3359	D	M	T	W	HR	117	U	O	154	
	Minsk/Machulishche A/F	5346/2735	M	M	*P	*G	H	14	A	N	168	
	1 NM NW Minsk/Mach	5348/2731	M	M	P	W	H	14	A	N	168	
	2 NM SE Moshayek	5529/3403	D	M	T	W*G	HR	79	U	O	167	
	2 NM S Nomm	5921/2443	B	M	N	R	HR	27	U	O	153	
	4 NM NW Novgorod	5834/3112	M	FM	N	W	HR	16	U	O	153	
	1 NM NE Ogre	5650/2438	M	*M	*T	W	HR	U	U	N	153	
	Oreha SW A/F	5427/3022	M	S	P	W*G	HR	24	A	O	167	
	7 NM W Rahev	5615/3408	C	FS	HT	W*G	HR	40	U	O	154	
	1 NM SSW Sumpals RR St	4032/4936	B	M	HT	R	HR	12	U	O	325	
	1 NM E Valode A/F	5625/2155	A	M	N	W	H	3	A	N	152	
	2.5 NM S Yashma	4040/4928	B	*M	HT	R	H	23	U	N	325	

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UNIDENTIFIED STORAGE AREAS

CTRY	LOCALE	COORD	GROUP	FENCING	TWRS/POSTS	BLAST PROT	SERVICE	BLDS	AFFIL	AGE	WAC
25X9	Czech	3 NM NE Blanska	4923/1641	A	S	U	WR	H	6	U	232
		3.5 NM S Ivancice	4903/1623	A	S	*P	WR	H	9	U	232
		4.5 NM W Tabor	4925/1433	M	S	U	*H	H	13	U	231
		5 NM NNW Vysekov	4920/1659	A	S	U	WR	H	9	U	232
					25X9						
Hung	2 NM N Kerek	4754/2007	M	S	*P	*G	H	26	U	N	251
Pol	2 NM N Dabrowa	5032/1910	A	*M	N	W	H	4	U	N	232
	1.5 NM W Deep	5409/1522	A	*M	N	*G	HR	U	U	N	232
	3 NM NE Guben	5158/1448	C	*M	*T	W	H	18	U	U	231
	3 NM NW Lublin	5117/2230	A	*M	N	W	H	8	U	N	232
Rum	1 NM N Zgiera	5151/1925	A	*M	U	W	H	4	U	N	232
	Caroli	4422/2823	B	S	P	R	HR	13	U	N	232
USSR	1 NM NE Huel	4641/2805	B	*M	*T	R	H	5	U	N	250
	3 NM E Baden	4643/3002	A	M	T	U	HR	5	U	N	250
	Briyani A/F	4558/2920	A	U	U	H	HR	5	U	N	250
	Deugavpila	5554/2629	B	*M	*P	R	HR	U	A	N	250
	9.5 NM WSW Moshayak	5526/3546	M	M	T	H	H	6	G	O	168
	5 NM E Ostpor'gbi	5320/2848	C	M	*T	W	H	U	U	N	167
	Ostrov Gorokhovka A/F	5715/2424	B	S	*T	*G	H	3	A	N	168
	Ostrov Gorokhovka A/F	5717/2823	A	*M	T	G	HR	6	A	N	153
	8 NM W Smolensk	5450/3149	A	M	P	W	H	6	U	N	167
25X9	2 NM NW Stol'tay A/F	5810/3017	A	U	U	G	H	4	A	N	153
	7 NM NE Stol'tay	5331/2655	M	M	U	G	HR	58	U	N	168
	8 NM W Valday	5758/3303	M	*M	*T	H	HR	U	U	N	154

TOP SECRET - CHESSE APPENDIX

ADDITIONAL STORAGE AND SECURED INSTALLATIONS

CTRY	LOCATE	COORD	FENCING	TWRS/POSTS	BLAST PROT	SERVICE	BLDS	AFFIL	AGE	WAC	25X1D	FUNCTION
Czech	1.5 NM NE Bohdalice	4914/1704	S	N	G	H	29	U	N	232		Ammo St
	2 NM SW Braclov	4844/1650	FS	U	U	HR	U	U	O	232		POL St
	1.5 NM ESE Jasenice	4932/1800	FS	N	W	H	20	P	U	232		Ammo St
	3.5 NM SW Kromeriz	4916/1719	S	N	W	H	9	U	U	232		U/I
	7 NM SW Laun	5017/1340	FS	N	W	H	11	G	N	231		Ammo St
	1.5 NM N Schritters	4928/1537	S	N	W	H	20	P	U	231		Ammo St
Hung	1 NM SSW Balatonalmadi	4701/1802	U	N	W	HR	50	U	U	252		U/I St
	1.5 NM NW Balatonfuzo	4705/1802	FS	N	R+G	HR	U	P	O	252		Ammo Pht
	Fokto A/F	4632/1859	FS	N	U	HR	10	A	N	252		Ammo Pht
	4 NM SE Fulesallias	4648/1919	S	U	W	HR	30	U	N	251		U/I St
	3.5 NM WSW Kocskemet	4653/1937	S	N	WR	H	13	G	U	251		Ammo St
	SE Monok	4812/2110	S	N	W	H	17	U	U	232		U/I St
	3 NM N Nagocs	4643/1754	FS	N	W	HR	14	U	U	252		Ammo St
	6 NM NW Nagykoros	4705/1941	S	N	G	H	12	O	O	251		Ammo St
	4 NM S Orkeny	4704/1926	FS	FP	W+G	HR	U	U	U	251		Ammo/*POL
	6 NM NE Papa	4725/1732	N	N	W	H	6	P	O	252		U/I Pht
	1.75 NM NW Vasaspram	4707/1752	S	N	W+G	H	U	P	O	252		Ammo Pht
	6.5 NM NE Bunsiau	5122/1540	S	N	W	HR	20	T	O	211		Ammo St
	3 NM NW Bydgoszcz	5309/1756	FM	PT	N	HR	28	G	O	169		Ammo St
	1.5 NM SE Casatochowa	5047/1912	M	N	N	H	7	U	O	232		U/I
Pol	6 NM NE Debica	5007/2132	N	N	W	HR	U	P	O	232		Ammo Pht
	3.5 NM S Grodzkau	5038/1732	N	N	G	H	3	U	O	232		U/I St
	5 NM W Hammerstadt	5342/1652	U	N	W	H	U	T	N	169		*VEH St
	1.5 NM SE Kluta	5320/1436	U	N	G	H	9	U	U	169		U/I St
	3.5 NM NW Koronka	5217/1702	FS	N	W	H	9	A	N	169		U/I St
	NW Kruppamuhle	5035/1836	N	N	R	HR	U	P	O	232		Ammo Pht
	6 NM SW Lecayca	5201/1904	FS	M	W	H	4	U	N	169		U/I St
	Legnowo	5305/1805	FM	N	R	HR	U	P	O	169		Ammo Pht
	8.5 NM NNE Lublin	5122/2241	N	N	W	HR	12	U	O	232		U/I St
	1 NM W Luesen	5101/1822	M	N	N	H	1	U	O	232		U/I St
	NE Markisch-Friedland	5323/1808	M	T	N	H	4	A	N	169		Ammo St
	Oswiec	5329/2239	FS	N	W	HR	50	U	N	168		Ammo St
	6 NM SE Otowock	5203/2124	N	N	W	H	24	U	N	168		Ammo St
	Powida A/F	5223/1754	U	N	U	H	U	A	N	169		U/I
	Poznan A/F	5224/1649	S	N	BR	H	30	U	O	231		Ammo St
	2 NM WNW Priebeu	5130/1453	S	N	W	HR	U	P	O	232		Ammo St
	Skarszysko Kamienna	5106/2053	FS	U	R	HR	U	P	O	232		Ammo Pht
	5 Swinemunde	5351/1416	N	N	G	H	8	S	O	169		U/I St
	2.5 NM SE Swinemunde	5353/1418	S	N	H	HR	40	S	O	169		Ammo St
Rum	Bucharest	4420/2408	N	N	H	HR	U	G	O	251		Ammo St
	8 NM NE Cluj	4852/2245	S	U	R+G	N	U	N	U	250		Ammo St
	6.5 NM SE Valca Neagra	4417/2834	FM	T	N	H	21	G	U	251		FFC
	1.5 NM NNW Vanatori	4415/2255	FS	N	W	H	14	U	U	251		U/I St
	4 NM NW Vasilu	4640/2735	N	N	W	H	15	U	N	250		U/I St

TOP SECRET-CHES
APPENDIX (CONT.)

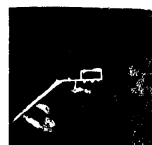
25X1D											
CTRY	LOCALE	COORD	FENCING	TWRS/POSTS	BLAST PROT	SERVICE	BLDS	AFFIL	AGE	WAC	FUNCTION
USSR	Baltiysk Noytlf AF	5437/1952	N	N	H	H	12	A	O	169	Ammo St
	S Beresayka	5758/3354	M	T	N	HR	25	U	O	154	U/I St
	3 NM SW Bobr	5419/2911	S	T	N	H	15	U	N	168	*FLC
	5 NM S Bobruysk AF	5304/2912	U	U	W	H	8	FA	N	168	*Ammo St
	Bolesaya Iskhora	5957/2932	U	N	W	HR	15	G	O	153	U/I Depot
	Bykhov AF	5330/3011	#S	T	N	H	14	A	N	167	Ammo St
	1.5 NM E Gatovo	5347/2741	S	U	W	HR	24	U	O	168	Ammo St
	4 NM NE Lesnaya	5302/2550	M	T	N	HR	10	G	N	168	Food St
	1.5 NM S Lesnaya	5258/2546	M	*T	N	HR	25	A	O	168	A/C Parts
	Liepeja	5634/2102	S	N	WG	HR	38	G	O	152	*Ammo St
	1.5 NM W Morino	5754/3019	*M	N	N	HR	29	U	O	153	U/I St
	Naro Fominsk	5522/3042	U	U	W	HR	33	U	O	167	POL St
	1 NM S Orsha SW AF	5424/3017	S	U	U	H	U	A	N	167	U/I & U/C
	Ostrov Gorokhovka AF	5719/2825	S	N	N	HR	28	A	N	153	U/I St
	1 NM NW Parkysarvi	6019/2915	*M	U	N	HR	10	U	U	103	U/I St
	2 NM E Porkhov	5746/2937	#S	N	N	H	25	G	O	153	Army St
	1.75 NM SW Pakov	5748/2818	S	N	R	H	8	G	N	153	*Ammo St
	Pushkin AF	5941/3025	N	N	R	H	7	A	O	153	*Ammo St
	3.5 NM SE Radvillakia	5546/2337	S	T	W	HR	30	P	N	168	Ammo St
	Riga West AF	5655/2357	S	N	N	H	14	A	N	153	Ammo St
	Saki SW AF	4506/3334	#M	*P	U	H	23	A	O	250	*Ammo St
	2 NM NE Sangachaly	4012/4931	M	*P	N	H	6	U	N	325	U/I St
	2 NM SE Shebuchin	5335/2447	S	U	N	H	12	A	U	168	*Ammo St
	1 NM SE Shuya	5850/4124	S	N	N	H	11	U	O	154	U/I St
	1.5 NM NE Sioulai AF	5554/2327	*M	*P	N	H	13	A	N	168	U/I St
	Sol'tey AF	5808/3025	S	*T	N	H	13	A	N	153	Ammo St

GROUP A

25X9

TOP SECRET - CHES

GROUP A (CONT)



ZNM NW SOLITSY A/F, USSR
58-10N 10-17E



JNM E BADEN, USSR
46-41N 30-02E



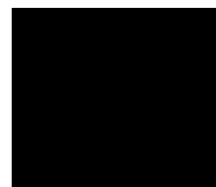
OSTROV/GOROVHOVA A/F, USSR
57-17N 28-23E



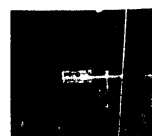
BRIYANI A/F, USSR
45-58N 29-20E

25X9

25X9



JNM E VAINODS A/F, USSR
56-25N 21-55E



ZNM N BOJIVI, USSR
59-24N 27-20E



JNM W SAMOI ENSE, USSR
54-50N 31-41E

TOP SECRET - CHES

TOP SECRET—CHIESS

GROUP B (CONT)

25X9

GROUP B

25X9



ZIM S ROMME, USSR
59-21N 24-41E



ZIM S YASHMA, USSR
40-40N 49-28E



25X9



17 M W CAVIDIL, RUM
44-15N 28-32E

25X9



DBUGAYPIL, USSR
55-54N 26-29E



CAROL I, RUM
44-22N 28-21E



NW CONSTANTA, RUM
44-11N 28-37E



IANCA A/F, RUM
45-08N 27-26E



15A 15A 15A 15A
46-41N 28-05E



15M 15W SUMGATT RE ST, USSR
40-32N 49-16E



NW BOGALNICEANU A/F, RUM
44-21N 28-27E



OSTROY/GOROKHOVA A/F, USSR
57-15N 28-24E



15M 15W GYUZDER, USSR
40-29N 49-39E

TOP SECRET—CHIESS

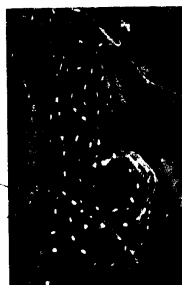
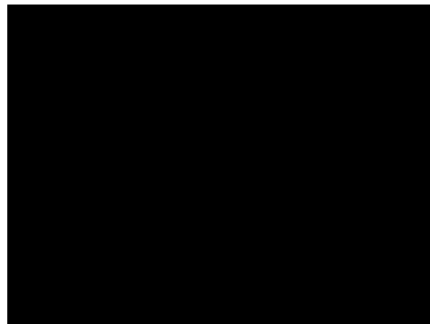
GROUP D

25X9

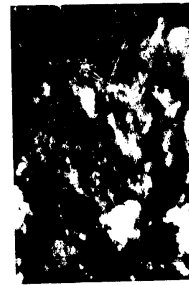
TOP SECRET - CHS

25X9

GROUP D (CONT)

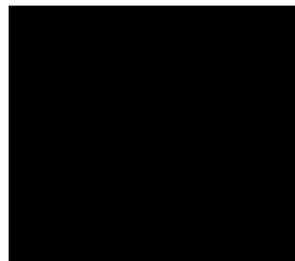


2NM SE MOZHAYSK, USSR
55-29N 36-03E



2NM S EUTZHEDEEN, USSR
57-42N 33-59E

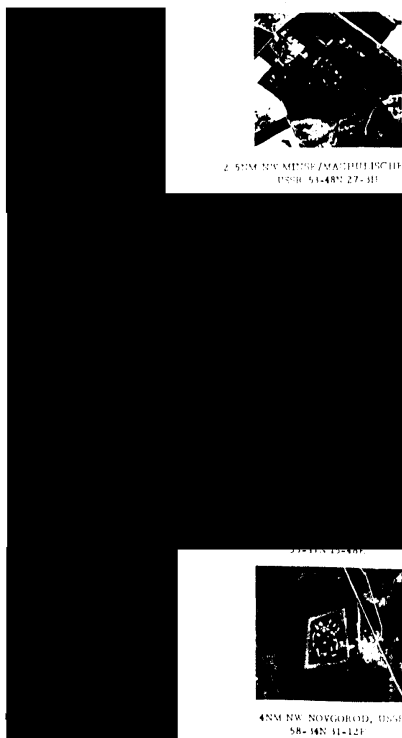
25X9



TOP SECRET - CHS

GROUP M

25X9



422PK/MACHULISCHIE A/F, USSR
53-40N 27-35E



2 52M NW MACHULISCHIE A/F,
USSR 53-48N 27-31E

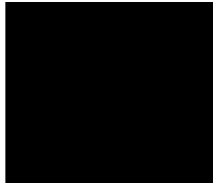


42M NW NOVGOROD, USSR
58-36N 41-12E

TOP SECRET - CHESS

25X9

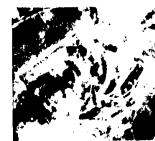
GROUP M (CONT)



BOBR, USSR
54-19N 29-15E



12M SE OGRU, USSR
56-50N 24-38E



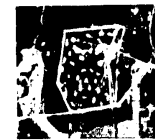
12M NW BRONNA GORA, USSR
52-17N 25-04E



DARANOVICH A/F, USSR
53-05N 26-04E



ORSHA SW A/F, USSR
54-27N 30-22E



BOBRYSK A/F, USSR
53-05N 29-14E

25X9

TOP SECRET - CHESS